

Work Order ID 137169

Thursday, September 24, 2015 2:11:26 PM

137169

Page 1

Item ID: D139-799-015 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Engine Wash
 Start Date: 9/11/15 Start Qty: 2.00 ***2*** Cust Item ID:
 Required Date: 9/23/15 Req'd Qty: 2.00 ***2*** Customer:
 Reference:

Approvals: Process Plan: MLS Date: 9/23/15 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr	
IIN-D139-799	J	MLS

100	Document Control	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D139-799-015 CHG005								

110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MLS 15-10-06 ②

2x DAS 28 9-89 OCT 26 2015

MLS 15-10-05 ②

2x DAS 28 9-89 OCT 26 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 137169

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Page 2

Item ID: D139-799-015 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Engine Wash
Start Date: 9/11/15 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 9/23/15 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130						2x	DAS 28 9-89	OCT 26 2015	
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D139-799-015 Location: <u>FG019</u> PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MLS OCT 26 2015

SK 20151026

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐						OTHER : ☐	

Picklist Print

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Page 1

Work Order ID: 137169

137169

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 9/11/15

Required Date: 9/23/15

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:B 11.07.04 new issue DD verf:JLM IPP REV:B
AS PER ECN 11-598 11-06-05 JLM VEF BY:DD IPP Rev:C 11.09.27
PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER
CHG005/ECN13-579 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4121-1		Manufactured	No			110	Each	6.0000	2	4			
2 *D4121-1*									**	13729323		MCS	
Hose Assy													

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

3

114101

1

132053

2

ST214

3

135082

1

135590

2

D4121-3

Manufactured

No

110

Each

5.0000

1

2

2 *D4121-3*

Hose Assy

**

MCS

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

1

91535

1

ST213

3

135566

3

ST214

1

129024

1

OCT 05 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 2

Work Order ID: 137169

137169

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 9/11/15

Required Date: 9/23/15

Start Qty: 2.00

Required Qty: 2.00

D4121-5 Manufactured No

110 Each 5.0000 1 2

2 *D4121-5*

Hose Assy

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

ST214

5

129025

1

135513

4

D4131-041 Manufactured No

110 Each 0.0000 1 2

2 *D4131-041*

Manifold Assembly

DAS
28
9-89

**

137617

DAS
6
9-89

D4131-043 Manufactured No

110 Each 5.0000 1 2

2 *D4131-043*

Doubler Assembly

DAS
28
9-89

**

MLJ

Location

Loc Qty

Loc Code

ST093

5

135217

5

D4146-1 Manufactured No

110 Each 4.0000 2 4

2 *D4146-1*

Fitting

DAS
28
9-89

**

MLJ

Location

Loc Qty

Loc Code

ST093

4

132335

4

D4182-1 Manufactured No

110 Each 14.0000 2 4

2 *D4182-1*

Fitting, Quick Disconnect

DAS
28
9-89

**

MLJ

Location

Loc Qty

Loc Code

ST097

14

135218

4

135715

10

OCT 05 2015

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :							
Misidentified	☐	Past Due	☐								

Picklist Print

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Work Order ID: 137169

137169

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 9/11/15

Required Date: 9/23/15

Start Qty: 2.00

Required Qty: 2.00

D4384-1 Manufactured No

110 Each 9.0000 1 2

D4384-1

Placard

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

FG 5

80679 5

ST103 4

133324 4

AN526-1032R16 Purchased No

110 Each 62.0000 4 8

AN526-1032R16

Screw

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

ST325A 50

m133234 50

ST326 12

m130928 12

AN832-6J Purchased No

110 Each 21.0000 2 4

AN832-6.J

Union

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK06 8

m133234 8

ST332 13

m133031 13

OCT 05 2015

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Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐ Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐		AGAINST DEPARTMENT/PROCESS				
Date : _____		Step #: _____		QTY Effective : _____		MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				
								Completed By
								Lead hand / Supervisor Approval Verification
								QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY						
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	Past Due ☐							

Picklist Print

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Work Order ID: 137169

137169

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 9/11/15

Required Date: 9/23/15

Start Qty: 2.00

Required Qty: 2.00

AN924-6J

Purchased

No

110

Each

28.0000

4

8

AN924-6J

NUT

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK06

12

m133234

12

FG

4

123245

2

m132256

2

ST322

12

m133031

12

8

MS21919-WDG9

Purchased

No

Each

187.0000

40

40

MS21919-WDG9

Clamp

**

MLJ

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK06

100

m133234

100

ST297

87

m133031

87

40

NAS1149C0932R

Purchased

No

110

Each

39.0000

4

8

NAS1149C0932R

WASHER

**

MLJ

OCT 05 2015

DAS
28
9-89

Location

Loc Qty

Loc Code

ST271

39

m131026

39

8

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Shop Packet Print

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DQA: _____ Date: _____



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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

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 Revision ID: Stop ***NS2***
 Item Name: Engine Wash
 Start Date: 9/11/15 Start Qty: 2.00 ***2*** Cust Item ID:
 Required Date: 9/23/15 Req'd Qty: 2.00 ***2*** Customer:
 Reference:

Approvals: Process Plan: MLS Date: SEP 24 2015 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
100	Document Control								
100 DC	Memo Photocopy bluefile & CHG005								
Doc.Control -USB or Paperwork									
110	Pick Kit	0.00							
110 Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120 QC	Memo	0.00							
Quality Control									

D139-799-015
 D4131-041 X 2
 D4121-1 X 3

MLS OCT 06 2015

2

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Part Number	Description
X								D139-799-011	MAINTENANCE STEP KIT, LH
	X							D139-799-012	MAINTENANCE STEP KIT, RH
		X						D139-799-015	ENGINE WASH KIT
			X					D139-799-017	CARGO FLOOR PROTECTOR KIT
				X				D139-799-019	CABIN FLOOR PROTECTOR KIT
					X			D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
						X		D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
							X	D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
			2					D3580-1	JOGGLE BRACKET
			2	8				D3628-1	CUPPED WASHER
1								D4092-041	MAINTENANCE STEP ASSEMBLY
	1							D4092-042	MAINTENANCE STEP ASSEMBLY
		2						D4121-1	HOSE ASSEMBLY
		1						D4121-3	HOSE ASSEMBLY
		1						D4121-5	HOSE ASSEMBLY
				1				D4130-1	FWD CABIN FLOOR PROTECTOR
				1				D4130-3	AFT CABIN FLOOR PROTECTOR
			1					D4130-5	FWD CARGO FLOOR PROTECTOR
			1					D4130-7	CENTER CARGO FLOOR PROTECTOR
			1					D4130-9	AFT CARGO FLOOR PROTECTOR
		1						D4131-041	MANIFOLD ASSEMBLY
		1						D4131-043	DOUBLER ASSEMBLY
		2						D4146-1	FITTING
			1					D4153-1	JOGGLE BRACKET
			1					D4153-3	JOGGLE BRACKET
				4				D4153-5	CLAMP PLATE
			2					D4166-1	PLACARD, MAX LOAD
		2						D4182-1	FITTING, QUICK DISCONNECT
		1						D4384-1	PLACARD
					1			D4526-042	MAINTENANCE STEP ASSEMBLY, RH
						1		D5238-041	MAINTENANCE STEP ASSEMBLY
							1	D5238-042	MAINTENANCE STEP ASSEMBLY
						1	1	D5238-043	LOWER BRACKET, AFT
						1	1	D5238-045	LOWER BRACKET, FWD
						1	1	D5245-1	MOUNTING BOLT
2	2				2	2	2	AN6H12A	BOLT
2	2				2	1	1	AN6H13A	BOLT
		4						AN526-1032R16	SCREW
		2						AN832-6J	UNION
		4						AN924-6J	NUT
		20						MS21919WDG09	CLAMP
6	6				6	5	5	NAS1149D0663J	WASHER (or AN960JD616)
		4						NAS1149C0932R	WASHER (or AN960C916L)

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Revision: J

Date: 15.07.20